ignition

USER MANUAL

Airbase 850 MK2

Table of contents

1. Safety instructions 3
1.1. FOR SAFE AND EFFICIENT OPERATION 3
2. General warnings 4
2.1. Security-related warnings 4
2.2. Operation of the device in accordance with its intended purpose 5
2.3. Cleaning and maintenance 10
2.4. Additional warnings 11
3. Product description 12
3.1. Power Case bottom side 12
3.2. Power Case upside 13
3.3. How to use the Power Switch 13
4. Technical data 14

1. Safety instructions

- This device is suitable for indoor use only.
- All modifications to the device will void the warranty.
- Repairs are to carry out by skilled personnel only.
- Use only fuses of the same type and original parts as spare parts.
- Protect the unit from rain and humidity to avoid fire and electric shocks.
- Make sure to unplug the power supply before opening the housing.

1.1. FOR SAFE AND EFFICIENT OPERATION

Be careful with heat and extreme temperature

Avoid exposing it to direct rays of the sun or near a heating appliance.

Not put it in a temperature bellow 23°F /-5°C, or exceeding 113°F /45°C.

Keep away from humidity, water and dust

Do not place the set in a location with high humidity or lots of dust.

Containers with water should not be placed on the set.

Keep away from sources of hum and noise

Such as transformer motor, tuner, TV set and amplifier.

To avoid placing on un-stable location

Select a level and stable location to avoid vibration.

Do not use chemicals or volatile liquids for cleaning

Use a clean dry cloth to wipe off the dust, or a wet soft cloth for stubborn dirt.

If out of work, contact sales agency immediately

Any troubles arose, remove the power plug soon, and contact with an engineer for repairing, do not open the cabinet by yourself, it might result a danger of electric shock.

Take care with the power cable

Never pull the power cable to remove the plug from the receptacle, be sure to hold the plug.

When not using the device for an extended period of time, be sure to disconnect the plug from the receptacle.

Important: Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems. Make sure the electrical connection is carried out by qualified personnel. All electrical and mechanical connections have to be carried out according to the European safety standards.

2. General warnings

Attention!

Disconnect the device completely from the grid before opening it!

Please read this manual carefully before the initial start-up of the device.

All persons responsible for installation, starting up, operation, maintenance and repair must:

- Have an equivalent qualification
- Follow exactly the instructions of this manual
- Consider this manual as a part of the product
- Keep the manual safe over the entire lifetime of the device
- Pass the manual to future owners or users of the device
- Download the latest version of the manual from the internet

2.1. Security-related warnings

Attention!

Be very careful when dealing with dangerous mains voltages. There is the risk that you can suffer a very serious electric shock!

After taking the device from a warm to a cold room, it may not be put into operation. The resulting condensation can possibly destroy the device. Do not turn on the device until it has reached ambient temperature.

Avoid contact of the mains cable with other cables. Be very careful when dealing with mains cables and mains connections. Never touch those with wet hands.

Make sure that the voltage to be connected does not exceed the specified values.

Make sure there is no stress or damage of the mains cable due to sharp edges. Make sure that the device and the mains cable do not show any signs of damage by running regular inspections.

Disconnect the device from the grid when not using it and before cleaning.

During the initial start-up of the device smoke or smells may occur. In this case there is no malfunction of the device.

Do not turn the device on and off within short periods of time (e.g. matter of seconds).

Health risk!

Avoid looking directly into the source of light. It may cause epileptic seizures. This applies in particular for people where epileptic seizure has been diagnosed by a doctor.

Keep children and amateurs away from the device!

2.2. Operation of the device in accordance with its intended purpose

The AIR BASE 850 MK2 is a lamp housing which was developed for professional use on stage, in discotheques, theatres etc. The device is only approved for a voltage with a maximum of 230 V, 50/60 Hz AC and suitable for indoor use only.

Regular stoppages increase the life of your device.

Avoid shocks or any kind of violence during the installation or starting up of the device.

Make sure that the device is not exposed to extreme heat, humidity or dust at the installation spot. Make sure that cables do not lie around. This would decrease your own safety and the safety of third parties.

The device may not be operated or kept in an environment where splashing water, rain, humidity or fog is expected. Moisture or very high humidity can reduce the isolation of the device and result in lethal electric shocks. When using fog machines never expose the device directly to the fog stream. Keep a safety distance of at least 0.5 m between the device and the fog machine. Take care that the fog saturation enables a good visibility of at least 10 m.

The ambient temperature must be between -5°C and +45°C. Avoid exposing the device to direct rays of the sun or next to a heating appliance. This also applies for transportation in closed vehicles.

A relative humidity of 50 % at an ambient temperature of 45°C may never be exceeded.

The device may only be operated at a level between - 20 and 2000 meters above sea level.

Do not operate the device during thunderstorms. Overvoltage could destroy the device. Disconnect the device during thunderstorms completely from the grid by pulling the mains plug.

During installation the use of a mounting bracket is required. To ensure good air circulation, keep a free space of at least 50 cm around the device.

Surrounding objects or surfaces may not be touched by the housing.

Make sure that during installing and uninstalling of the device the area below the installation spot is blocked in principle. This also applies for performing service and maintenance.

The device must always be secured by an appropriate safety rope.

Familiarize yourself with the functions of the device before operating it. Do not let inexperienced persons operate the device. Major cause for malfunctions is an incorrect usage of the device.

Never use solvents or aggressive cleaning agents for cleaning the device. Use a soft and damp cloth instead.

Please use the original packing for transporting the device to avoid transport damages. Make sure the device is packed like it was shipped straight from the factory.

Unauthorized manipulations of the device are forbidden for safety reasons!

A usage of the AIR BASE 850 MK2 which differs from the described one in this manual can result in damages of the device. In this case the warranty is no longer valid. In addition it is to be considered that every differing usage is dangerous and can result in e.g. short circuit, fire, electric shock, crashs.

Overhead installation

Danger!

During installation please follow the regulations of the BGV C1 (former VBG 70) and EN 60598-2-17! Installation may only be carried out by authorized specialized trade.

AIR BASE 850 MK2's suspension devices have to be build and measured so they can withstand for an hour the tenfold of the payload without suffering a permanent detrimental deformation.

Basically the installation has to be made by using a second separate suspension. This can be e.g. a suitable net. The second suspension must be designed and attached so no part of the installation can fall down in case of failure of the main suspension.

During construction, reconstruction and deconstruction unnecessary stay in the range of moving areas, on lightning bridges, under elevated work stations or any other danger zones is forbidden.

The entrepreneur is responsible for getting experts to review safety-related and mechanical facilities before initial start-up or after crucial changes before restarting.

The entrepreneur is obliged to get an expert to check safety-related and mechanical facilities within the limits of an acceptance inspection at least every four years.

The entrepreneur is obliged to get an expert to check safety-related and mechanical facilities at least once a year.

How to precede the overhead installation:

The device is ideally installed beyond public areas.

IMPORTANT! Overhead installation requires a high level of experience. This includes knowledge of calculating the payload, used installation material and safety inspections of the used installation material and the projector whereas the required experience is not limited to this. Do not try to carry out installation yourself under any circumstances if you are not qualified. Contact a professional installer. An inappropriate installation can lead to injuries and/or damaged properties.

The device may not be installed within the reach of persons.

If the device is supposed to hang from a ceiling or from high beams, the use of truss systems is mandatory. The device must be installed that it’s not possible it can swing in the room.

Attention! Crashing down devices can cause serious injuries! DON’T install the projector, if you doubt the safety of a possible installation form.

Before installing the device ensure that the installation space supports at least the tenfold point loading of the device’s deadweight.

Mount the projector with the mounting bracket on an appropriate hook of a truss system.

During overhead installation the projector must be always secured by a safety rope which is designed to hold the twelvefold weight of the device. Only safety ropes with quick-release safety fastener elements may be used. Hang up the safety rope in the hole of the mounting bracket. Direct the rope over the truss or an appropriate fastening point. Hang up the end in the fastening element and tighten the locking nut.

The maximum falling distance may not exceed 20 cm.

A safety rope once exposed to falling load or damaged may not be used furthermore.

Adjust the inclination with the mounting bracket and tighten the locking screws firmly.

Connection to the grid

Danger!

Contact the authorized specialized trade for connection to the electric supply. Do not carry it out yourself.

Connect the device via mains plug to the grid.

If the device is directly connected to the local electricity grid, the installation of a separator with at least a 3 mm contact hole for each pole is necessary.

The connection is exclusively permitted for electrical installation which complies with the VDE-regulations DIN VDE 0100. Indoor installation must be equipped with an earth leakage circuit breaker (RCD) with 30 mA rated current.

Danger!

An expert must check the installation before initial start-up.

2.3. Cleaning and maintenance

The entrepreneur is obliged to get an expert to check safety-related and mechanical facilities within the limits of an acceptance inspection at least every four years.

The entrepreneur is obliged to get an expert to check safety-related and mechanical facilities at least once a year

Thereby particular attention must be paid to the following items:

1. Ensure all screws attached to the device or parts of the device are very tight and not corroded.
2. Ensure there are no deformations of the housing, attachment and installation space. This also includes the ceiling, the suspension and the truss.
3. Electrical connection cables may not have any damages, depositions or signs of material aging e.g. porous connections.

Danger!

Disconnect the device completely from the electricity grid during maintenance work!

Contaminations like dust should be removed regularly from the device. Use a lint free, damp cloth. Do not use alcohol or solvents under any circumstances!

Use a vacuum or an airbrush for cleaning the device’s interior. Carry out an appropriate cleaning once a year.

Service and maintenance must be exclusively transferred to authorized specialized trade.

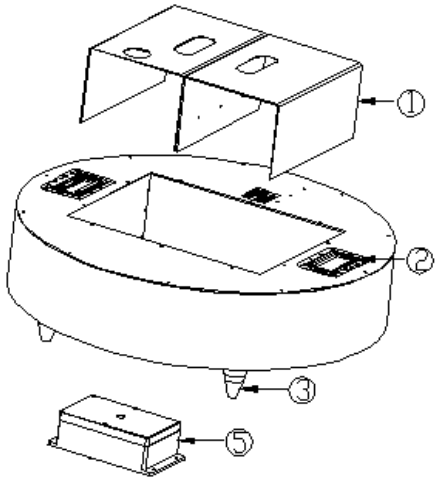
If you require spare parts for the device, please use only original spare parts.

If the mains cable is damaged it must be replaced by authorized specialized trade to avoid hazards

2.4. Additional warnings

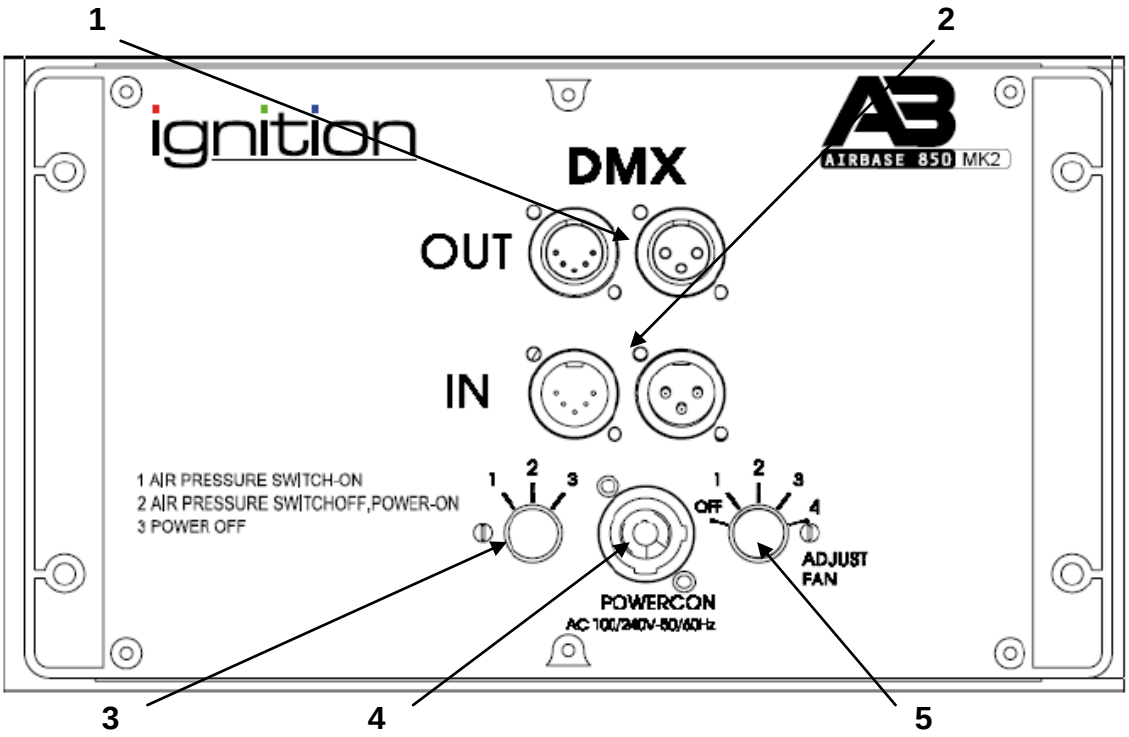
1. Make sure the AIR BASE 850 MK2 is properly earthed.
2. If the fuse is destroyed, replace it with one of the same type.
3. The operating temperature may not exceed or fall below -5°C~45°C.
4. The device is not easy to move in operation state.
5. Avoid accidents! Please don’t open any parts of the AIR BASE 850 MK2, except those which are meant to. Inside are high voltage cables. Please contact appropriate qualified personnel or your local dealer if there are any questions.

3. Product description



1. This product provides suitable holding fixtures for e.g. LED Par 151, LED Base 4 or Studio Pars etc.
2. There are two carrying handles for transporting and carrying the Airbase comfortably and easily.
3. On the bottom are rubber bumpers. So the Airbase is shock resistant, quiet and slip-resistant.
4. The Power Case is easy to install and removable from the housing if needed.

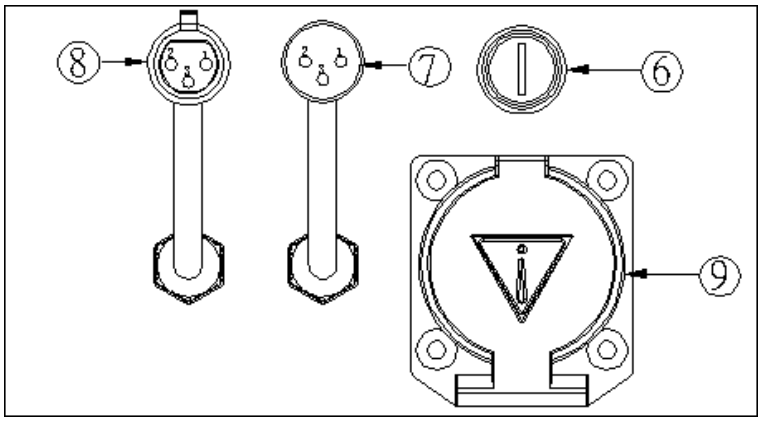
3.1. Power Case bottom side



1. Neutrik 3pole and 5pole XLR DMX Output
2. Neutrik 3pole and 5pole XLR DMX Input
3. Switch for Power Modes 3 Steps
4. Powercon In for Mains
5. Fan Switch in 4 Steps

3.2. Power Case upside

6. 10 A fuse and fuse holder with VDE certificate AC 100~240V
7. DMX output for connecting the inserted device
8. DMX input for connecting the inserted device
9. SCHUKO-socket max. 10 A



3.3. How to use the Power Switch

The power switch has 3 Steps. Here follows the explanation for it:

Step 1: Normal working conditions. That means the air pressure sensor is switched on and the power plug inside is switched on according to the pressure. That's in this state to prevent the running moving head from twisting the rain cab if the air pressure is not strong enough. Then the air pressure sensor shuts down the power plug inside.

Step 2: Installation Mode
In this Mode the Air pressure sensor is switched off and the Power plug is switched On. That's in this state that you can adjust the settings and addressing of the fixture without the rain cab.

Step 3: Hard Reset / OFF
This mode shuts down the internal Power Plug, that you can do a hard reset for the moving light without removing the cab.

NOTE: The AIR BASE 850 MK2 contains an air pressure sensor. Only if the total air pressure is built up in the air cone, the power plug will give power to the items inside. Do not be surprised if only then there's electricity from the socket-outlet. That's for safety reasons so a moving head will not rotate uncontrolled and entangles itself in the foil.

4. Technical data

Input Voltage:	AC 100~240V, 50~60Hz
Features:	Air pressure sensor
	4 step fan
	3 way switch
	NEUTRIK XLR 3 PIN
	Can be hanged
Included accessories:	1.5m H05VV 3G 1.5m² SCHUKO / NEUTRIK POWERCON
Power Input:	55W (max.)
Material:	Aluminium
Colour:	Polished
Protection class:	IP 20
Product Size:	L850 x W850 x H285mm
Net Weight:	21KG

Importeur:

B&K Braun GmbH

Industriestraße 1

D-76307 Karlsbad-Ittersbach

www.bkbraun.com

info@bkbraun.com